

**Application Data Sheet**

**Application Information**

Application Number::

**10/575271**  
**10/575271**  
**11 APR 2006**

Filing Date::

**International Application No.**

**PCT/JP2004/017019**

**PCT filed on November 10, 2004**

**U.S. filing on April 11, 2006**

Application Type::

**US National Phase**

Subject Matter::

**Utility**

Suggested Classification::

Suggested Group Art Unit::

Title::

**METHOD OF INVERTING POLARIZATION BY  
CONTROLLING DEFECT DENSITY OR  
DEGREE OF ORDER OF LATTICE POINTS,  
AND OPTICAL WAVELENGTH CONVERSION  
ELEMENT**

Attorney Docket Number::

**TCP-006**

Request for Early Publication::

Request for Non-Publication::

Suggested Drawing Figure::

Total Drawing Sheets::

**11**

## **Applicant Information**

Applicant Authority Type::	<b>Inventor</b>
Primary Citizenship Country::	<b>Japanese</b>
Status::	<b>Full capacity</b>
Given Name::	<b>Kenji</b>
Middle Name::	
Family Name::	<b>KITAMURA</b>
Name Suffix::	
City of Residence::	<b>Tsukuba-shi, Ibaraki</b>
State or Province of Residence::	
Country of Residence::	<b>JAPAN</b>
Street of Mailing Address::	<b>c/o NATIONAL INSTITUTE FOR MATERIALS SCIENCE, 2-1, Sengen 1-chome</b>
City of Mailing Address::	<b>Tsukuba-shi, Ibaraki</b>
Postal or Zip Code::	<b>305-0047</b>

Applicant Authority Type::	<b>Inventor</b>
Primary Citizenship Country::	<b>Japanese</b>
Status::	<b>Full capacity</b>
Given Name::	<b>Sunao</b>
Middle Name::	
Family Name::	<b>KURIMURA</b>
Name Suffix::	
City of Residence::	<b>Tsukuba-shi, Ibaraki</b>
State or Province of Residence::	
Country of Residence::	<b>JAPAN</b>
Street of Mailing Address::	<b>c/o NATIONAL INSTITUTE FOR MATERIALS SCIENCE, 2-1, Sengen 1-chome</b>
City of Mailing Address::	<b>Tsukuba-shi, Ibaraki</b>
Postal or Zip Code::	<b>305-0047</b>

Applicant Authority Type::	<b>Inventor</b>
Primary Citizenship Country::	<b>Japanese</b>
Status::	<b>Full capacity</b>
Given Name::	<b>Masaru</b>
Middle Name::	
Family Name::	<b>NAKAMURA</b>
Name Suffix::	
City of Residence::	<b>Tsukuba-shi, Ibaraki</b>
State or Province of Residence::	
Country of Residence::	<b>JAPAN</b>
Street of Mailing Address::	<b>c/o NATIONAL INSTITUTE FOR MATERIALS SCIENCE, 2-1, Sengen 1-chome</b>
City of Mailing Address::	<b>Tsukuba-shi, Ibaraki</b>
Postal or Zip Code::	<b>305-0047</b>

Applicant Authority Type::	<b>Inventor</b>
Primary Citizenship Country::	<b>Japanese</b>
Status::	<b>Full capacity</b>
Given Name::	<b>Shunji</b>
Middle Name::	
Family Name::	<b>TAKEKAWA</b>
Name Suffix::	
City of Residence::	<b>Tsukuba-shi, Ibaraki</b>
State or Province of Residence::	
Country of Residence::	<b>JAPAN</b>
Street of Mailing Address::	<b>c/o NATIONAL INSTITUTE FOR MATERIALS SCIENCE, 2-1, Sengen 1-chome</b>
City of Mailing Address::	<b>Tsukuba-shi, Ibaraki</b>
Postal or Zip Code::	<b>305-0047</b>

Applicant Authority Type:: **Inventor**  
Primary Citizenship Country:: **Japanese**  
Status:: **Full capacity**  
Given Name:: **Kazuya**  
Middle Name::  
Family Name:: **TERABE**  
Name Suffix::  
City of Residence:: **Tsukuba-shi, Ibaraki**  
State or Province of Residence::  
Country of Residence:: **JAPAN**  
Street of Mailing Address:: **c/o NATIONAL INSTITUTE FOR MATERIALS  
SCIENCE, 2-1, Sengen 1-chome**  
City of Mailing Address:: **Tsukuba-shi, Ibaraki**  
Postal or Zip Code:: **305-0047**

Applicant Authority Type:: **Inventor**  
Primary Citizenship Country:: **Japanese**  
Status:: **Full capacity**  
Given Name:: **Shunichi**  
Middle Name::  
Family Name:: **HISHIDA**  
Name Suffix::  
City of Residence:: **Tsukuba-shi, Ibaraki**  
State or Province of Residence::  
Country of Residence:: **JAPAN**  
Street of Mailing Address:: **c/o NATIONAL INSTITUTE FOR MATERIALS  
SCIENCE, 2-1, Sengen 1-chome**  
City of Mailing Address:: **Tsukuba-shi, Ibaraki**  
Postal or Zip Code:: **305-0047**

Applicant Authority Type:: **Inventor**  
 Primary Citizenship Country:: **Japanese**  
 Status:: **Full capacity**  
 Given Name:: **Tamaki**  
 Middle Name::  
 Family Name:: **SHIMURA**  
 Name Suffix::  
 City of Residence:: **Tsukuba-shi, Ibaraki**  
 State or Province of Residence::  
 Country of Residence:: **JAPAN**  
 Street of Mailing Address:: **c/o NATIONAL INSTITUTE FOR MATERIALS  
SCIENCE, 2-1, Sengen 1-chome**  
 City of Mailing Address:: **Tsukuba-shi, Ibaraki**  
 Postal or Zip Code:: **305-0047**

### **Correspondence Information**

Correspondence Customer No:: **32628**  
 Phone Number:: **(703) 519-9785**  
 Fax Number:: **(703) 519-7769**  
 E-Mail Address::

### **Domestic Priority Information**

Application::	Continuity Type::	Parent Application::	Parent Filing Date::
<b>This Application</b>	<b>US National Stage</b>	<b>PCT/JP2004/017029</b>	<b>November 10, 2004</b>

### **Foreign Priority Information**

Country::	Application Number::	Filing Date::	Priority Claimed::
<b>JAPAN</b>	<b>2003-382626</b>	<b>November 12, 2003</b>	<b>Yes</b>
<b>JAPAN</b>	<b>2003-382327</b>	<b>November 12, 2003</b>	<b>Yes</b>

## **Assignee Information**

Assignee Name::	<b>NATIONAL INSTITUTE FOR MATERIALS SCIENCE</b>
Street of Mailing Address::	<b>2-1, Sengen 1-chome</b>
City of Mailing Address::	<b>Tsukuba-shi, Ibaraki</b>
State of Mailing Address::	
Country of Mailing Address::	<b>Japan</b>
Postal or Zip Code::	<b>305-0047</b>